

MSc in Forest and Nature Management



Education Seminar at University of Copenhagen
24/9 2012
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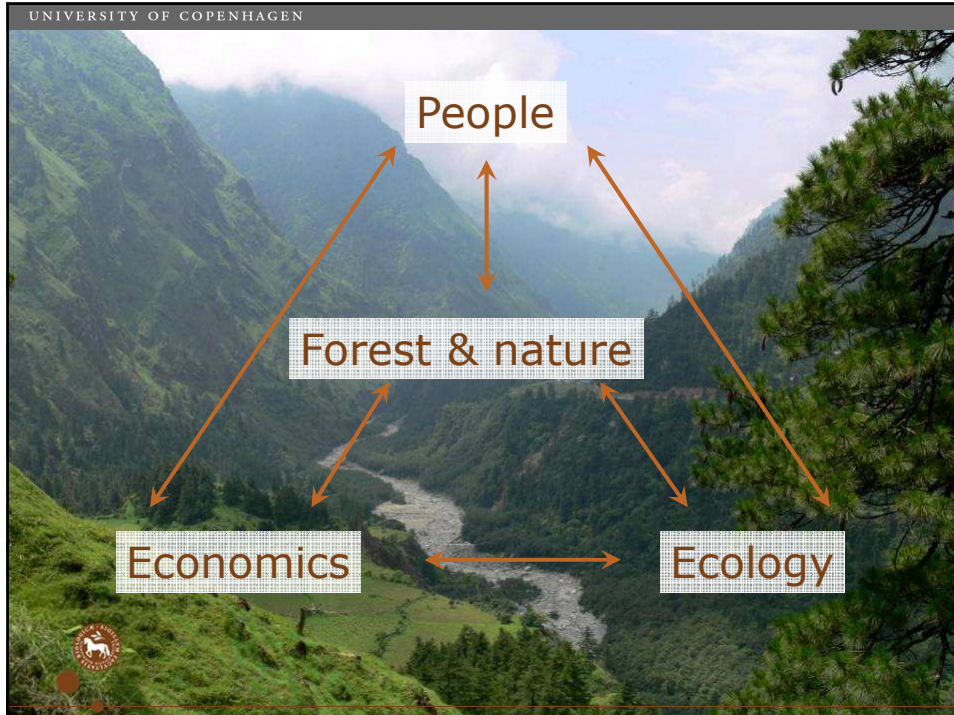
Study MSc Forest and Nature management if you like to...

- Take charge
- Take a strategic, longterm, sustainable perspective
- Provide realistic (and optimised) solutions that combine human needs for natural resources and a healthy environment with nature's need for protection
- Achieve and apply competencies that combine knowledge of ecology, economy and society
- Feel equally at home in business suits and wellingtons



Msc Forest and Nature Management

- Profile
- Contents
 - Courses
 - Project in Practice
 - Studying abroad
 - Thesis
- Making a career - Job profiles



Profile

- Span the range:
'ecology – people/society – economics'
- Think strategically and holistically and plan for the very long term
- Ecological and economic optimisation of individual interventions and overall management
- Plan and decide in detail for smaller decision units (localities, sites, stands) in agreement with long-term plans at larger spatial scales



Educational goals (from competence description)

- ... to educate graduates who are capable of conducting research into, develop and control the human use of forests, nature and green areas in a professional and balanced way. The main focus area is planning and sustainable use of forest and nature areas in society – in the private as well as in the public arena, e.g.:
 - Forests for commercial production of timber, hunting and other green benefits as well as nature conservation and recreation
 - Nature areas for nature protection and outdoor recreation as well as commercial utilisation, e.g. tourism
 - Green areas in and in the vicinity of cities for recreational, teaching and tourism purposes

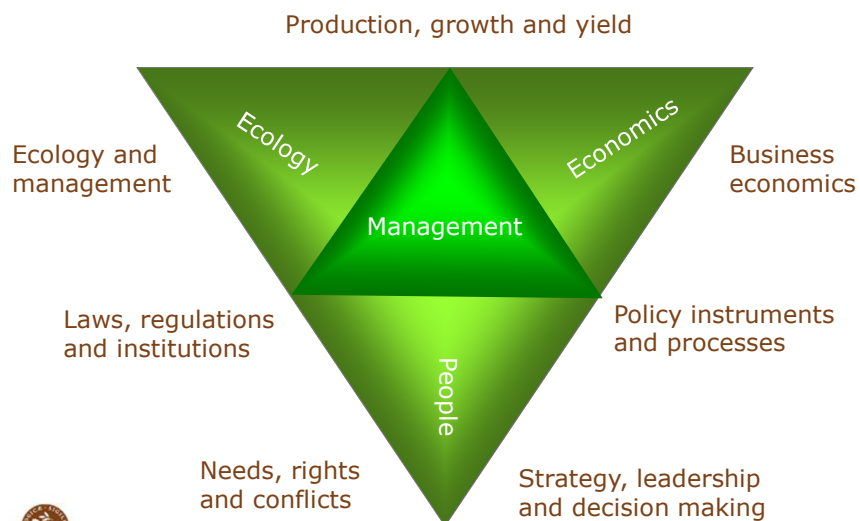


Educational goals (from competence description)

- "Identify possibilities/limitations and the ecological tolerance in relation to people's utilisation of forest and nature"
- "Develop, quantify and apply theoretical and practical models for the productive functions of forests and natural resources – material as well as immaterial"
- "Practise economic, dynamic and holistic management planning"
- "Turn demands on our natural surroundings into concrete actions and projects based on a natural science foundation"



Elements



Courses

Thematic courses:

- Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems
- Sustainable Forest and Natural Resources management planning

Other compulsory courses:

- Applied Forest and Natural Resource Economics
- Conflict Management
- Natural Resource Sampling and Modelling
- Either: Project Management (Block 3)
- Or: Business Development and Innovation (Block 3)



Structure

Year 2	Block 8	MSc thesis	
	Block 7		
	Block 6	Them. course in Sustainable Forest and Natural Resource Management Planning	
	Block 5	NR* Sampling and Modelling	Elective
Year 1	Block 4	Elective	Elective
	Block 3	Business development and Innovation/ Elective	Project Management/ Elective
	Block 2	Conflict management	App. FNR** Economics
	Block 1	Them. course in Ecology and Management of Forests and other Semi-natural Terrestrial Ecosystems	

*) NR = Natural Resources

**) FNR = Forest and Natural Resources



Specialise through elective courses and thesis - the world is at your feet

E.g.

- **International forest policy**
 - Courses: Global Environmental Governance
 - Project in practice or thesis abroad
 - Become active in IFSA and attend COP 17, like Walid →

- **Environmental management with a human face**
 - Courses: Restoration ecology, Motivation and pro-environmental behaviour
 - Project in practice in municipality or Danish Nature Agency, like Elisa →
 - Thesis: 'Uneven-aged forest management in Southern Ontario'
'Branding of national park Thy'

- **Business management with a green profile**
 - Courses in Resource economics, Corporate social responsibility
 - Project in practice at DONG, Mærsk, Int. Woodland Company
 - Thesis: 'The Investment potential of Lithuanian forest properties'



Courses at ...



KU or other Danish Universities (e.g. CBS)

Universities in Europe and the world... (many partner universities)

Project in practice (internship)

- It was.. "one of the deepest learning experiences I've ever had"!
(Elisa Marino, trainee at Danish Nature Agency 2011)
- "It is a gift to have a trainee. It gives us a lot of input!"
(Kristian Kring, head of office, at the Danish Nature Agency)
- 15 ects (9 weeks full-time or 18 weeks part-time)
- Pre-approval, contract, seminar and final report





Studying abroad

- **University stay**
- **Project in practice** abroad
- **Thesis** field work



Thesis

- 30 or 45 ects (experimental work)
- Choose subjects, supervisor, firm
- **May lead to first job!**



Example:

- Innovation in the Danish Nature Agency.
The case of 'Skovhjælper-ordningen'
/Charlotte G. Madsen and Lea Holmberg (2011)



Thesis examples (2)

- Uneven-aged Forest Management in Southern Ontario / Casper Pleidrup
- Choice experiment of landowners' agri-environmental scheme preferences/
Stine W. Broch
- Participatory Forest Resource Assessment in Tanzania / Nikolaj J. Hansen &
J. Østergaard
- Chinese Wood Balance to 2030 – An assessment of future production and
consumption of industrial timber in China based on autoregressive
modelling / Ulrik Nyvold
- Substitutes or Complements? How tropical and non-tropical wood products
compete / Jan Fischer



The Investment Potential of Lithuanian Forest Properties / Ingrid Danielsen
and Anders Jensen

Requirements for admission

- A BSc degree including elements from the three areas:
 - Economics: 7.5 ECTS
 - Ecology: 7.5 ECTS
 - Society: 7.5 ECTS
- Requirements are automatically met by
"BSc Natural Resources"
"Forest and Landscape Engineer"



Job profiles

45 % private
55 % public



Karsten Lund Larsen, (MSc FNM 2009)
udd. ansvarlig på Vildtforvaltningsskolen



Forest supervisor, Forest assistant

Wrote thesis about that forest district



Jakob Svendsen-Tuhe, Forestry Ass. Trolleholm Forest District, Sweden (2010)

Nature management in municipalities,
e.g. Jonas (2011) in Copenhagen Munic.

Forestry consultants in Skovdyrkerforeningen,
HedeDanmark, International Woodland Company etc.

Nature Agency regional offices

Nature mgmt. consultants in Agricultural
Associations



Ditte Svendsen Forest supervisor
Danish Nature Agency

UNIVERSITY OF COPENHAGEN

Careers in private companies and NGOs



Wrote thesis about forest certification

Peter K. Kristensen (2001)
Head of Corporate Social Responsibility & Environment, Dahlhoff Larsen & Partners



Tanja B. Olsen
Head of political department,
Danish Forest Society



Carsten W. Thygesen,
CEO HedeDanmark



Lars Munk Hansen,
President Grundfos
North America



Lars Rehn, CEO
Novo Nordisk

Thesis led to her first job



Foresters – now also in ZOO!



International careers



Anne-Katherine Scharling (2005)

Programme Officer at UNF Convention on Climate Change
CDM consultant EnviScan A/S,
CDM consultant at Royal Danish Embassy, South Africa
Env. Consultant at Cape Timber Resources/Danish Forest Extension

Thesis led to her first job



Christian Sloth (2000)

Verification manager, Rainforest Alliance, Indonesia
Cambodia Dev. Research Institute
Self-employed manager of diving business
FAO Vietnam
Research assistant at KVL



Research careers

Research assistant - PhD – post doc – ass.professor – professor

- Forest ecology
- Policy and economics
- Development studies
- Plant pathology
- Genetics
- Bio-energy
- Etc.



Deadline for applications

Non-EU countries:

- 1 January 2013 for uptake 2 September 2013

EU/EØS countries, Danish applicants, and applicants with BSc from Fac. Science, Univ.Cph:

- 1 November 2012 for uptake 4 February 2013
- 1 April 2013 for uptake 2 September 2013



Contact

- Director of Study, [Dr. Tove Enggrob Boon, tb@life.ku.dk](mailto:tb@life.ku.dk)
- [MSc Forest & Nature Management:](#)
- http://www.life.ku.dk/English/education/msc_programmes/msc_programmes_life/forestry.aspx
- [Curriculum:](#)
- http://www.life.ku.dk/uddannelse/studerende/studieordninger/Studieordninger_2011-12/MSc_Programme_in_Forest_and_Nature_Management.aspx
- [Student service:](#)
- <http://www.science.ku.dk/english/courses-and-programmes/student-services/>
- Interviews with students:
- ["What we are taught we can use in real life"](#)
- ["COP 17 a fantastic experience"](#)

